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A monthly report from the
Wright State University School of Medicine

January 1981

vital signs

1980 in Review



The School of Medicine welcomed a new class and a new dean during the September Convocation. Dr. William Sawyer, M.D., (above) addressed Convocation guests.



"Big John" Beljan got the faculty team "up" for the Spring Fling softball game. Students won...again!



Fred White checked progress of the Frederick A. White Center for Ambulatory Care just one week before his unexpected death on July 11, 1980. The Center is due to open in Spring 1981.



Academy of Medicine guests of the Fourth Annual Distinguished Guest Lecture chatted before hearing noted cardiologist Irvine H. Page, M.D., D.Sc.



Joe Franke (School of Medicine Facilities Manager) prepared Hippocrates for the May dedication ceremony. The statue was presented to the University by members of the Dayton Hellenic Cultural Society.



David Hedden (right), Class of 1980, shared a moment of triumph with Vice-President and Dean John R. Beljan at the June pre-commencement ceremonies.



School of Medicine faculty and staff joined students in the first annual student-sponsored Medicine Ball. Plans are underway for the second dinner-dance on March 21, 1981.

Medical and Nursing Students Help in Special Olympics



(L-r) Dean William Sawyer (Medicine), Dean Margaret Moloney (Nursing), Associate Dean Robert Suriano (Medicine), and Assistant Professor Nancy Noonan (Nursing) proudly display certificates presented to the Schools in recognition of the student participation in the recent Special Olympics.

Thirty-eight medical and nursing students were timers, judges, and life guards at the Dayton-Montgomery County Special Olympics held on campus in early November.

Convened annually in the Physical Education Building, the Olympics provides an opportunity for physi-

cally and mentally handicapped persons to compete in a controlled environment. Ribbons and awards were presented in all age groups and categories to motivate and encourage the participants.

Janice Goodwin, Assistant Coordinator of Adapted Athletics at WSU,

Palmer Recognized by Special Presentation



Mr. and Mrs. A.I. Pruett, longtime School benefactors, presented this wallhanging to the Fordham Health Sciences Library in honor of Founding Librarian Raymond J. Palmer and in recognition of his contributions to the School of Medicine. The wallhanging, designed by Dayton artist John Emery (shown above) depicts a portion of a clay tablet believed to be the oldest known "textbook" in the history of medicine.



Rita MacNamara, a winner in the 1980 Special Olympics, beams her pleasure at receiving a ribbon award in the swim competition. (Kettering-Oakwood Times publications photo by Lynn Dobson-Keeble.)

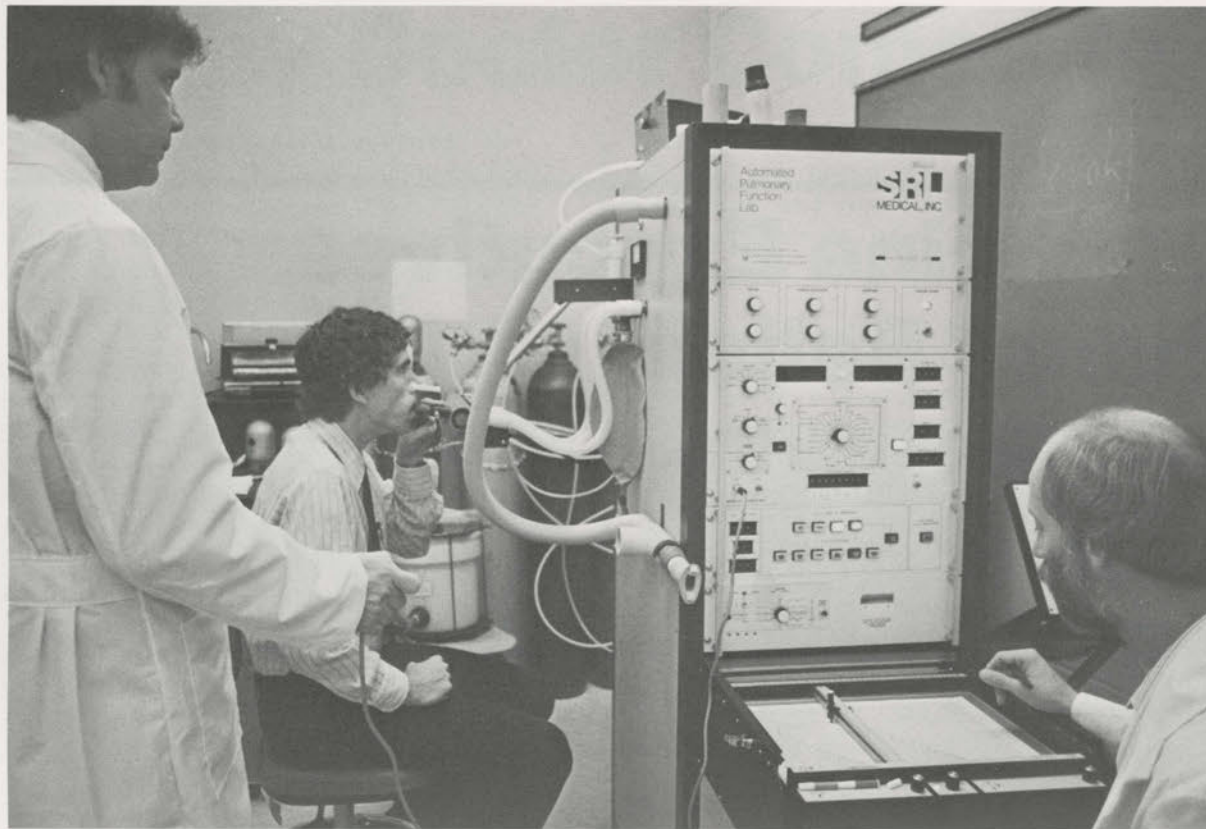
was Meet Coordinator. Nancy Noonan, Assistant Professor, School of Nursing, was Assistant Coordinator.

Students participating included Sharon Belvins, Amy Brinkman, Lori Ferrence, Kathryn Riddle, and Carol Ziegler (Nursing); Isabel Lopez, John Wyrick, Jeff Boulter, Amanda Muench, Joanne Martin, Dave Garvey, Richard Stockelman, Richard Milligan, Kathy Chan, Mike Coyle, Anna Daddabbo, David Roer, Jane Lockwood, Pam Davis, Alan Davis, Mark Gretsinger, Jeff Kirlangitis, Mike Brunsman, Ray Kobus, Jim Frey, Guy Shrake, Ben Gilliotte, Jude Crino, Richard Smith, Scott Van Valkenburg, Debra Schmitt, David Mallory, and Rick Durbin (Medicine).

It's a Ball!

Medical students will sponsor the second annual Medicine Ball at Stouffers Dayton Plaza on Saturday, March 21, 1981. All School of Medicine students, faculty, and staff members are invited to attend. Tickets will be available by Feb. 1.

Researchers Join the Marathon . . . In the Race Against Lung Disease



Drs. Dan Miles and Robert Gotshall administer a pulmonary function test to a runner a few days prior to the race.

Pulmonary diseases have sharply increased over the past decade. As with all diseases, pulmonary disease can be most effectively treated when it is diagnosed in its early stages. Daniel Miles, Ph.D., Assistant Professor of Physiology, and Robert Gotshall, Ph.D., Associate Professor of Physiology, have been investigating the use of exercise as a means of testing lung efficiency to detect pulmonary disease. They have recently completed a study on how running in a marathon race (26.2 miles) affects pulmonary function.

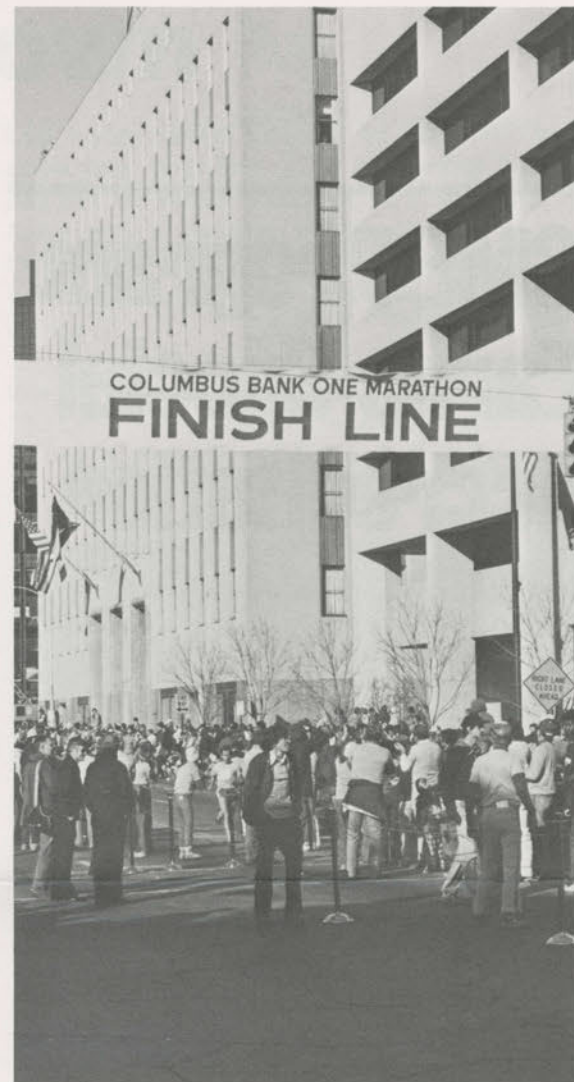
The study focused on nine subjects, ranging in age from 16 to 53, who competed in the Bank One Marathon in Columbus, Ohio, on Nov. 16 and was a cooperative effort with The Ohio State University and the Clinical Pulmonary Laboratory at University Hospital (Columbus).

"The marathon is a very stressful event and has been the subject of many studies emphasizing the physiological effects experienced during the race," says Dr. Miles. "However, few data exist about how such an event affects lung function." According to Dr. Miles, following a marathon changes occur in the caliber of the small airways in the lungs and in the diffusion pathway for oxygen into the blood. In their study, Drs. Miles and Gotshall examined some of the possible causes for this change in lung efficiency.

To establish a pre-race norm, subjects were given a series of pulmonary function tests five days prior to the race to determine their normal lung efficiency. Within 1/2 hour after completion of the marathon the runners were again tested to establish the effects of the race on their pulmonary functions. Other tests, one and three days after the race, were administered to determine the amount of time the subjects needed to recover their pre-race lung efficiency.

Previous studies have shown that this kind of exercise causes a reduction of forced vital capacity (the amount of air that can be voluntarily forced out of the lungs). "This may be caused by pulmonary edema (build up of fluid in the lungs) and/or constriction of the small airways in the lungs," explains Dr. Miles. "These conditions in a sense mimic lung impairment caused by pulmonary diseases such as emphysema, cystic fibrosis, chronic bronchitis, and some types of asthma."

After the race in Columbus, it was found that the runners' lungs had increased membrane resistance, which indicated that the oxygen in the lungs did not diffuse into the blood as quickly and efficiently as before. This proved to be a temporary effect, since all runners reverted to their pre-race norm within one day after the race.



Spectators anxiously await the first finishers in the Columbus Bank One Marathon.

"These athletes were highly trained and in excellent physical condition," says Dr. Miles. "We would now like to continue our studies to see if these findings are true for untrained persons performing less strenuous forms of exercise."

Dr. Miles plans to continue his studies to see how the small airways of the lungs react under a variety of conditions. "Most lung diseases begin in the very small airways in the lungs, but it is difficult to detect the early stages of impairment in these areas," he states. "Treatment of diseases in the airways can be more effective when we understand more about how these areas of the lungs function within the total pulmonary system."

Drs. Miles and Gotshall collaborated in this study with Dr. Steven Schoenfeld, Director of the Clinical Pulmonary Laboratory at University Hospital (Columbus); and Dave Sinks, Exercise Physiologist at SRL Medical, Inc., who worked with the instrumentation and supplied some of the testing equipment.

CME Program Earns Special Accreditation

The Wright State University School of Medicine Continuing Medical Education (CME) Program was recently resurveyed by the Liaison Committee on Continuing Medical Education, the national accrediting body, according to Alvin E. Rodin, M.D., Professor and Chairman of the Department of Postgraduate Medicine and Continuing Education. Although the standard period of accreditation is four years, "the School of Medicine received six years accreditation on the basis of being evaluated as an exceptional program," said Dr. Rodin. The surveys by the national committee are concerned with standards for continuing education, in respect to the influence on improvement in health care delivery.

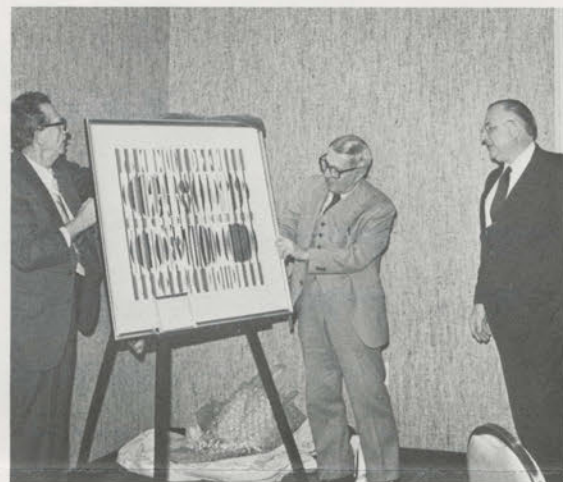
The CME Program at Wright State University School of Medicine has been in existence for four years and provides educational services for physicians in a 13-county area. Dr. Rodin explained that emphasis "has been on relevant topics, low cost in comparison to similar programs elsewhere, faculty composed of both local and guest experts, pedagogical methods that enhance adult learning, and evaluation procedures to determine the influence of the programs on health care delivery."

The learning format of many of the area-wide programs includes not only presentations but also small-group activities with active involvement of physicians in diagnostic and therapeutic problem-solving activities. Closed-circuit TV and video-cassettes are used when appropriate. The possible effects on physician practice behavior are determined not only by pre/post tests but also by surveys of program attendees three to six months after each program.

Medicine Executives Honor Beljan



Robert Jewett, M.D. (left), Senior Associate Dean and Associate Dean for Academic Affairs, presented Dr. Beljan with a framed caricature during the Dec. 12 recognition dinner hosted by members and former members of the SOM Dean's Executive Committee.



Samuel Kolmen, Ph.D. (left), Professor and Chairman, Department of Physiology, and Nicholas Thompson, M.D. (right), Professor and Chairman, Department of Obstetrics and Gynecology, unveil the Committee's gift to Dr. Beljan.



Breck Hapner, 17, student at Wilbur Wright High School, drew this caricature of Vice-President and former Dean John Beljan. The two-fisted pose shows Dr. B. with his most familiar tools--the telephone and his bowl of potato chips. Friends say the two are not usually used together.

Photos by Joseph A. Alter, M.D., Professor and Chairman, Department of Community Medicine.

A New Doctor Comes to Town

For about an hour one evening in early December, Dr. William Sawyer began to doubt Robert Frost's contention that "Home is the place where when you have to go there, they have to take you in."

Dr. Sawyer, the new WSU Dean of Medicine, had left his "old" home in Indianapolis three weeks earlier to take part in a global seminar in New Delhi, India. During his absence, Mrs. Sawyer (Jane Ann) had undertaken to move their possessions to their "new" home in Dayton.

After landing at Dayton International Airport on his return from India, Dr. Sawyer climbed into a cab for the half-hour drive to his new address.

"I knew that I'd given the taxi driver the correct address," he says. "I had seen the house before, so I knew it was my house."

The only problem was that Jane Ann, not knowing when he would be home, had gone visiting for the evening.

Without a key to his own door, the new Dean was locked out, and "I couldn't go knocking on neighbors' doors, since they wouldn't have known who I was!" The solution to his problem: "I sat down on the doorstep, adjusted my scarf, gloves, and topcoat to fight off the 7° temperature, and waited."

This snafu, and Dr. Sawyer's way of telling about it, indicate his patience and good humor--attributes bound to be helpful in his tenure as the second Dean.

Dr. Sawyer and his family shared many trips during his years as Visiting Professor and Acting Chairman of Microbiology at Mahidol University in Bangkok. Assigned to this post by the Rockefeller Foundation, Dean Sawyer used this as an opportunity to see much of the world. Japan, Italy, a safari to East Africa, India, Russia, Scandinavia, Egypt, Greece, and Australia were some of their most memorable vacations. Their home and his Medical Sciences Building office showcase many of their souvenirs.

An avid sportsman, Dr. Sawyer and his family once went scuba diving in Micronesia. In the midwest, he finds an outlet for his sports enthusiasm by cheering for Purdue and Indiana University.

Married thirty years, Bill and Jane Ann have two children--Dale (26), currently working on the research phase of his Ph.D. in geophysics at M.I.T.; and Carole (24), a junior at Purdue University's College of Veterinary Medicine.

A skillful baker, Dr. Sawyer surprised faculty and staff during the holidays when he delivered some of

his home-baked treats to the coffee room one morning. He explains his baking prowess simply: "I bought Jane Ann a baking cookbook for Christmas one year and found it fascinating. I've been at it ever since."

World traveller, baker, microbiologist, sportsman, dean--Wright State's School of Medicine welcomes Dr. William Sawyer.



Dr. Sawyer and Jane Ann display his favorite baking tools. The Sawyers' Christmas goodies were truly a team effort between the two.



Christmas is family time at the Sawyers. Gathered around the tree are (l-r) daughter Carole ("always passes out the gifts"), son Dale, Dr. and Mrs. Sawyer, daughter-in-law Lisa and her brother John.



Dean Sawyer unpacks with aid from Assistant Susan Williams

A black and white photograph of a theatrical performance. A group of people in white lab coats are on a stage. One person is speaking into a microphone. Another person is holding a book. A large, white, mechanical figure resembling a robot or a large doll is in the center. The background is a stone wall.

Category I Accredited

Upcoming CME Programs

Program in the Basic Health Sciences, Medical College of Ohio at Toledo, Nov. 18, and to the Chemistry Department, Miami University, Oxford, Nov. 20.

COMMUNITY MEDICINE

...The following faculty associated with the Center on Aging Research, Education, and Service (WSU CARES) recently presented papers at the 33rd Annual Scientific Meeting of the Gerontological Society of America, San Diego, Nov. 21-25: SATYA P. SANGAL, Ph.D., Associate Professor, presented "Experience of WSU School of Medicine in Developing a Gerontology/Geriatric Training Program" (co-authored by JOSEPH D. ALTER, M.D., M.P.H., Professor and Chairman, and DAWN L. WARREN, M.G.S., Gerontological Research Associate); Ms. Warren presented "A Longitudinal Study on the Effects of Health Changes Upon Life Satisfaction"; BELA J. BOGNAR, Ph.D., Associate Professor of Medicine in Society (and a member of the WSU CARES Steering Committee), presented "The Role of the Family in Managed Care"; BERNARD G. RIEGEL, Ph.D., Assistant Professor, presented "State Mandated Geriatric Education: A Report and Overview" and "Care of the Frail Elderly in the Emergency Department" (co-authored by RYLAND MUNDIE, M.D., Junior Resident Instructor of Emergency Medicine, and CARL JELENKO, M.D., Professor and

Chairman of Emergency Medicine). At the same meeting, ARTHUR BIGOT, Ph.D., Director of WSU CARES, was elected Secretary/Treasurer of a Task Force on the Clinical Psychology of Aging in the Behavioral and Social Sciences Section of the Gerontological Society of America.

FAMILY PRACTICE

...WILLIAM T. MERKEL, Ph.D., Assistant Professor, "Career Patients as Change Agents for Aggressive Patients," Journal of Psychiatric Treatment and Evaluation (1980)... Dr. Merkel attended the American Association for Marriage and Family Therapy 38th Annual Conference, Toronto, Nov. 5-9.

HIPPLE LABORATORY FOR CANCER RESEARCH

...MARTIN J. MURPHY, JR., Ph.D., Director (and Associate Professor of Medicine), attended the Second Conference on Hemoglobin Switching, Airlie, Va., June 21-26...He presented "Enhancement of Murine Marrow Erythroid Colony Formation in vitro by Peripheral Blood Mononuclear Cells" at the International Society for Experimental Hematology, Dallas, Tex., Aug. 10-14...Dr. Murphy presented "In Vitro Erythroid Colony Formation (CFU-e and BFU-e): Effects of Ouabain and Valinomycin" at the Congress of the International Society of Hematology, Montreal, Canada, Aug. 16-22...Also, he presented "Modulation of Murine in vitro Erythroid and Granulopoietic Colony Formation by Cardiac Glycosides: Ouabain, Digoxin and Theophylline" at the meeting on Erythropoietin in the Regulation of Erythropoiesis, Knoxville, Tenn., Oct. 6-8.

...AKIRA HORIKOSHI, M.D., Visiting Research Fellow, and MASATOSHI KOHSAKI, M.D., Visiting Research Fellow, attended the Erythropoietin in the Regulation of Erythropoiesis Meeting, Knoxville, Tenn., Oct. 6-8... Dr. Kohsaki attended the Congress of the International Society of Hematology, Montreal, Canada, Aug. 16-22.

MEDICINE

...MARK GALBRAITH, M.D., Resident Clinical Instructor, recently at-

tended a two-week Clinical Instructors Course at Maxwell Air Force Base, Montgomery, Ala.

...PRAKASH C. GOYAL, M.D., Assistant Clinical Professor, recently received Fellowship in the American College of Chest Physicians.

...R. SIVAPRASAD, M.D., Associate Professor (and Assistant Chief, Medical Service, VA Medical Center), and N. GOPALASWAMY, M.D., Associate Clinical Professor (and Chief, Gastroenterology Section, VA Medical Center), "Jaundice: An Internist's Perspective," Radiological Clinics of North America (August 1980).

MEDICINE IN SOCIETY

...DWIGHT PEMBERTON, D.D.S., M.P.H., Sc.D., Voluntary Associate Professor, was recently appointed to the editorial board of Dental Survey... Dr. Pemberton was inducted as a Fellow of the American College of Dentists in October.

OPHTHALMOLOGY

...JOHN D. BULLOCK, M.D., Assistant Clinical Professor, presented "Modern Concepts in the Management of Reconstructive Surgery of the Eyelids, Globe and Orbit" as Visiting Professor at the Moscow Scientific Research Laboratory of Experimental and Clinical Problems of the Eye Surgery, Moscow, USSR, Oct. 9-19...He presented "Uses and Limitations of Cryosurgery" and "Ophthalmology and Systemic Disease" at the American Academy of Ophthalmology meeting, Chicago, Nov. 2-7...Also, he presented "Electronic Tonometry in Orbital Diagnosis" at the American Society of Ophthalmic Plastic and Reconstructive Surgery meeting, Chicago, Nov. 7..."Ophthalmic Manifestations of Metastatic Breast Cancer" (with BASEL YANES, M.D., Clinical Professor, Medicine), Ophthalmology (October 1980).

PATHOLOGY

...ALVIN E. RODIN, M.D., Professor, "Objectives in Medical Schools: Some Inappropriate Uses," Bulletin of Pathology Education (1980).

January 1981

Wright State University
School of Medicine
Dayton, Ohio 45435



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POSTGRADUATE MEDICINE AND CONTINUING EDUCATION

...RONALD J. MARKERT, Ph.D., Associate Professor, "Assuring Fairness in the Medical School Admission Interview," College and University (Winter 1981).

...ALVIN E. RODIN, M.D., Professor and Chairman, "Autoexperimentation with a Drug by Arthur Conan Doyle," Journal of the History of Medicine and Allied Sciences (October 1980).

PSYCHIATRY

...BEATRICE C. LACEY, M.A., and JOHN I. LACEY, Ph.D., both Fels Professors, "The Specific Role of Heart Rate in Sensorimotor Integration," in Neural Mechanisms of Goal-Directed Behavior and Learning, R.F. Thompson, L.H. Hicks, and V.B. Shvyrkov, eds. (New York: Academic Press, 1980).

RADIOLOGICAL SCIENCES

...CHARLES COLBERT, Ph.D., Assistant Clinical Professor, recently received an NRC Associateship Award for "A Study in Physical Anthropology: The 'Bone Print' as a Means of Identification"...Dr. Colbert presented "Bone Mineral Research and Services to the Medical Community" at the Life Extension Institute, Minneapo-

...LUDOLPH H. VAN DER HOEVEN, M.D., Clinical Professor, "The Comprehensive Blood Bank Survey of the CAP-1978," American Journal of Clinical Pathology (October 1980)...Dr. van der Hoeven was recently elected President of the Association of Clinical Scientists.

PEDIATRICS

...ALEX F. ROCHE, M.D., Ph.D., D.Sc., Fels Professor, presented "Longitudinal Study of Children's Hearing: Its Relationship to Noise and Other Factors" at the Annual Meeting of the Acoustical Society of America, Los Angeles, Nov. 17-21. The paper (co-authored by R.M. SIERVOGEL, Ph.D., Fels Associate Professor) was published in the Journal of the Acoustical Society of America (1980)... "The Analysis of Serial Data," Studies in Physical Anthropology (1980).

...ROGER M. SIERVOGEL, Ph.D., Fels Associate Professor, presented "Blood Pressure, Body Composition and Fat Tissue Cellularity in Adults" at the 53rd Scientific Session of the American Heart Association, Miami Beach, Fla., Nov. 16-20. The abstract is published in Circulation (co-authored by ALEX F. ROCHE, M.D., Ph.D., D.Sc., Fels Professor, and WILLIAM CAMERON CHUMLEA, Ph.D., Assistant Professor).

lis, Aug. 23...He presented "Bone Mineral Changes in Patients with End Stage Renal Disease" to the Regional Kidney Center, Minneapolis, Aug. 22...Also, he presented "The X-ray Bone Profile as a Tool in Identification and Mineral Dynamics Studies" at the 22nd AAPM Meeting, Minneapolis, July 29.

In Memory of Those Who Gave . . .



A granite marker has been set in the University's Rockafeld Cemetery in memory and in gratitude "to those who have given unselfishly of themselves that others might learn."

The first interment ceremony was held here on Nov. 26 with almost 200 families and friends in attendance.